



**Vendor:** Cisco

**Exam Code:** 300-209

**Exam Name:** Implementing Cisco Secure Mobility Solutions

**Version:** DEMO

### QUESTION 1

A network engineer is troubleshooting a site VPN tunnel configured on a Cisco ASA and wants to validate that the tunnel is sending and receiving traffic. Which command accomplishes this task?

- A. show crypto ikev1 sa peer
- B. show crypto ikev2 sa peer
- C. show crypto ipsec sa peer
- D. show crypto isakmp sa peer

**Answer: C**

### QUESTION 2

When troubleshooting clientless SSL VPN connections, which option can be verified on the client PC?

- A. address assignment
- B. DHCP configuration
- C. tunnel group attributes
- D. host file misconfiguration

**Answer: D**

#### **Explanation:**

[http://www.cisco.com/c/en/us/td/docs/security/asa/asa91/configuration/vpn/asa\\_91\\_vpn\\_config/w\\_ebvpn-troubleshooting.html](http://www.cisco.com/c/en/us/td/docs/security/asa/asa91/configuration/vpn/asa_91_vpn_config/w_ebvpn-troubleshooting.html)

### QUESTION 3

Which two commands are include in the command show dmvpn detail? (Choose two.)

- A. Show ip nhrp
- B. Show ip nhrp nhs
- C. Show crypto ipsec sa detail
- D. Show crypto session detail
- E. Show crypto sockets

**Answer: BD**

#### **Explanation:**

show dmvpn detail" returns the output of show ip nhrp nhs, show dmvpn,and show crypto session detail

<http://www.cisco.com/c/en/us/support/docs/security-vpn/dynamic-multi-point-vpn-dmvpn/116957-technote-dmvpn-00.html>

### QUESTION 4

An engineer has integrated a new DMVPN to link remote offices across the internet using Cisco IOS routers. When connecting to remote sites, pings and voice data appear to flow properly and all tunnel stats seem to show that are up. However, when trying to connect to a remote server using RDP, the connection fails. Which action resolves this issue?

- A. Change DMVPN timeout values.
- B. Adjust the MTU size within the routers.
- C. Replace certificate on the RDP server.

D. Add RDP port to the extended ACL.

**Answer: B**

**Explanation:**

Answers A and C do not make sense.

Answer D is valid only for split tunneling...if we want to pass the RDP traffic off tunnel. The ACL configured to establish the DMVPN tunnel only need udp 500/4500 and esp (50).

Answer B should be correct because voice traffic (UDP) and ping use smaller MTU size and will not be fragmented...and thus will work. RDP uses TCP / 3389 and isn't fault tolerant.

### QUESTION 5

Which feature is a benefit of Dynamic Multipoint VPN?

- A. geographic filtering of spoke devices
- B. translation PAT
- C. rotating wildcard preshared keys
- D. dynamic spoke-to-spoke tunnel establishment

**Answer: D**

### QUESTION 6

An engineer has configured Cisco AnyConnect VPN using IKEv2 on a Cisco ISO router. The user cannot connect in the Cisco AnyConnect client, but receives an alert message "Use a browser to gain access." Which action does the engineer take to eliminate this issue?

- A. Reset user login credentials.
- B. Disable the HTTP server.
- C. Correct the URL address.
- D. Connect using HTTPS.

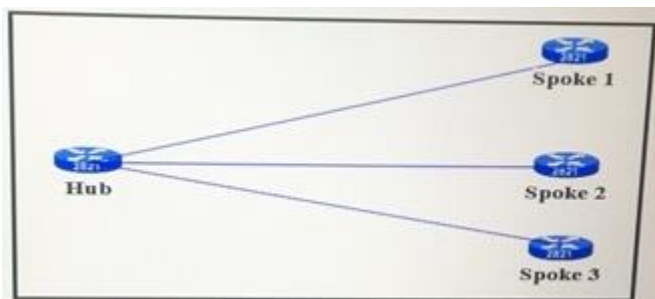
**Answer: B**

**Explanation:**

<http://www.cisco.com/c/en/us/support/docs/security/flexvpn/115755-flexvpn-ike-eap-00.html>

### QUESTION 7

Refer to the exhibit. A network administrator is running DMVPN with EIGRP, when the administrator looks at the routing table on spoken 1 it displays a route to the hub only. Which command is missing on the hub router, which includes spoke 2 and spoke 3 in the spoke 1 routing table?



- A. no inverse arp
- B. neighbor (ip address)
- C. no ip split-horizon eigrp 1
- D. redistribute static

**Answer: C**

**QUESTION 8**

Which algorithm provides both encryption and authentication for data plane communication?

- A. SHA-96
- B. SHA-384
- C. 3DES
- D. AES-256
- E. AES-GCM
- F. RC4

**Answer: E**

**QUESTION 9**

Which three configurations are prerequisites for stateful failover for IPsec? (Choose three.)

- A. Only the IKE configuration that is set up on the active device must be duplicated on the standby device; the IPsec configuration is copied automatically.
- B. Only crypto map configuration that is set up on the active device must be duplicated on the standby device.
- C. The IPsec configuration that is set up on the active device must be duplicated on the standby device.
- D. The active and standby devices can run different versions of the Cisco IOS software but need to be the same type of device.
- E. The active and standby devices must run the same version of the Cisco IOS software and should be the same type of device.
- F. Only the IPsec configuration that is set up on the active device must be duplicated on the standby device; the IKE configuration is copied automatically.
- G. The IKE configuration that is set up on the active device must be duplicated on the standby device.

**Answer: CEG**

**QUESTION 10**

Which two statements comparing ECC and RSA are true? (Choose two.)

- A. ECC can have the same security as RSA but with a shorter key size.
- B. ECC lags in performance when compared with RSA.
- C. Key generation in ECC is slower and less CPU intensive.
- D. ECC cannot have the same security as RSA, even with an increased key size.
- E. Key generation in ECC is faster and less CPU intensive.

**Answer: AE**

**QUESTION 11**

Which two are features of GETVPN but not DMVPN and FlexVPN? (Choose two.)

- A. one IPsec SA for all encrypted traffic
- B. no requirement for an overlay routing protocol
- C. design for use over public or private WAN
- D. sequence numbers that enable scalable replay checking
- E. enabled use of ESP or AH
- F. preservation of IP protocol in outer header

**Answer:** AB

**QUESTION 12**

A customer requires all traffic to go through a VPN. However, access to the local network is also required. Which two options can enable this configuration? (Choose two.)

- A. split exclude
- B. use of an XML profile
- C. full tunnel by default
- D. split tunnel
- E. split include

**Answer:** AB

**QUESTION 13**

An administrator received a report that a user cannot connect to the headquarters site using Cisco AnyConnect and receives this error. The installer was not able to start the Cisco VPN client, clientless access is not available, Which option is a possible cause for this error?

- A. The client version of Cisco AnyConnect is not compatible with the Cisco ASA software image.
- B. The operating system of the client machine is not supported by Cisco AnyConnect.
- C. The driver for Cisco AnyConnect is outdatate.
- D. The installed version of Java is not compatible with Cisco AnyConnect.

**Answer:** A

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